INFO 5100
Application Engineering and Development

Homework 5

Step 1: Login

User name	jadam
Password	xxxxxxxx

Login

System displays the **System Admin** work area

user id = jadam
Name = John Adam
Role = system admin

Manage User Accounts >

Manage User Account Directory

User Accounts

User Name	Password	Account role
jadam	*******	System admin
anishak	*******	
jge	*******	
nancy	*******	
anna	*******	

Find User Account >>

New User Account >>

Update user account >>

New User Account

User Account

Select Person

User name   Anna

Password   xxxxxxxx

Select a Role

HR Admin

New

Cancel

Update User Account Status

User Account

Person

Account Status

● Active

○ Disabled

User name

Anna

Password

xxxxxxxx

Role

HR Admin

<< Cancel

Update

Step 1: Login

User name	Anna
Password	xxxxxxxx

Login

Option 2: System displays the **Human Resources** work area

user id = anna
Name = anna
Role = HR admin

Manage Person Directory
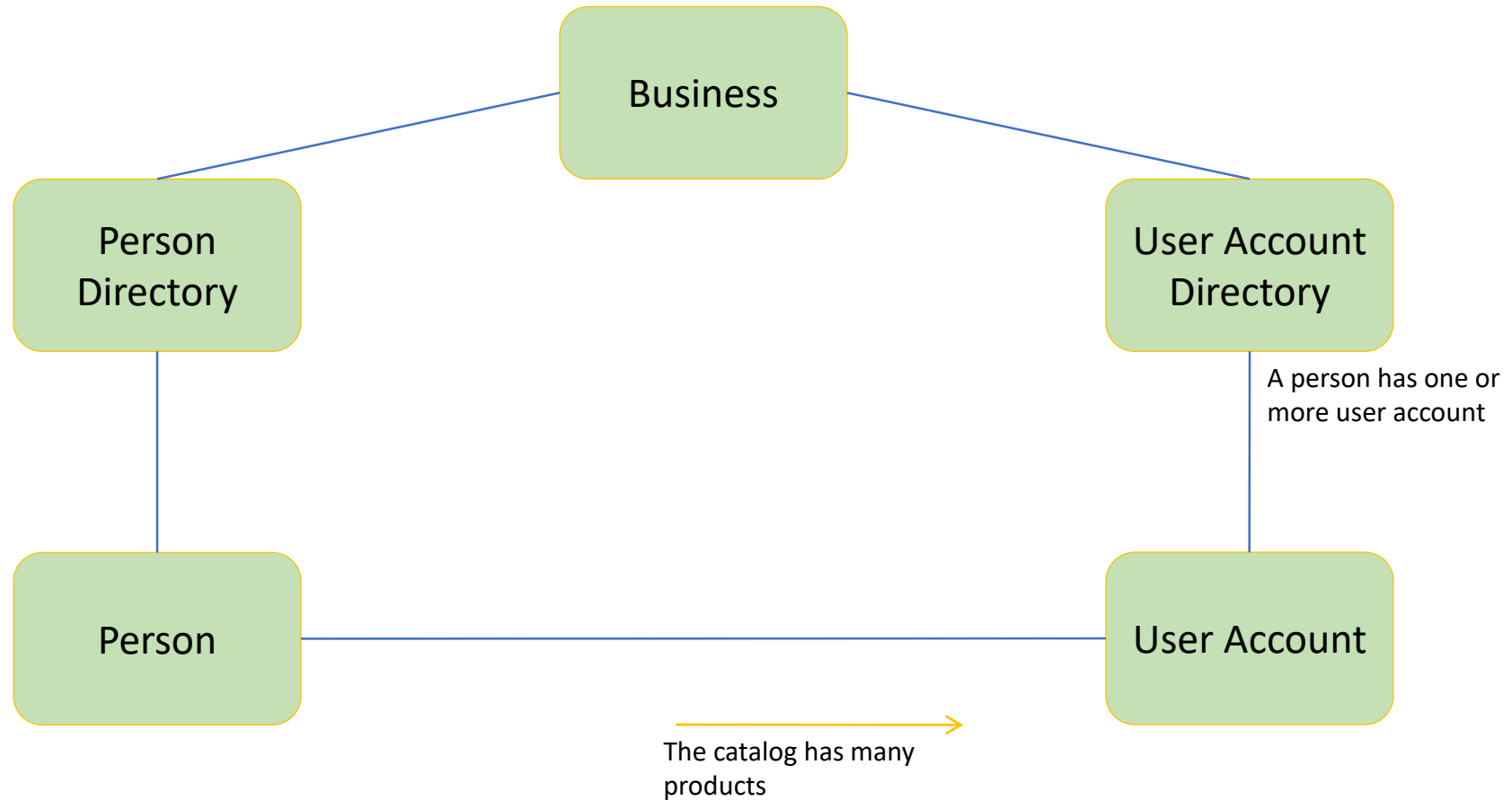
Manage Person Directory

Person List

First Name	Last Name	user name
John	Adam	jadam
Anisha	Kukreja	---
Jinxi	Ge	--
Nancy	wilt	nancy
Anna	Swift	anna

Find Person >>

New Person >>

Update Person >>

The object model

Homework 5 (due Sunday 10/15 at 11:59 pm)

- Your task is to implement the user and person management use-cases we discussed in class on 10/6. You must follow the java instructions I gave you on the slides. Please adhere to the object model shown on the previous slide.

- You must implement the isValidUser method and if the match is successful then route the user to the right work area jpanel associated with the role assigned to the user.

- You must configure few persons and user accounts using the ConfigureABuessiness class.

- **Creative features** (optional with bonus points)
  - Save the user passwords as hashes and not the password itself. A hash is a random rearrangement of the bits that make up the password. You match the hash for the entered password to that of the saved hash.
  - Any additional extensions beyond the requirements (bonus point)

Rough Project Plan

- Day 1: (10/12)
  - Draw the screens for both use cases, and link them together using the card layout (no data)
    - UI: Mainframe, login screen, workarea jpanels, manage persons, manage user accounts subpackages. Each use-case must separate
- Day 2 (10/13)
  - Define the Object Model and map the design into java classes
    - Business, person, user account classes breaking them down to subpackages
- Day 3 (10/14)
  - Implement the ConfigureABusiness class with instantiated objects of persons and user accounts. User accounts are linked to persons.
- Day 4 (10/15)
  - Link the screens to the data elements
  - Test and submit